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Quality Engineering Test Report

SERIES: SPR01L 1W DC-DC REGULATED SINGLE OUTPUT CONVERTER

SAMPLE: SPR01L-05 +5VDC / 0.2A

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 4.5~5.5VDC O/P:FULL LOAD	4.1~5.5VDC	P
2	LINE REGULATION	I/P: 4.5~5.5VDC SPEC: ±1% O/P: FULL LOAD	-0.1%~+0.0%	P
3	LOAD REGULATION	I/P: 5VDC SPEC: ±1% O/P:MIN. TO FULL LOAD	-0.1%~+0.2%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P: 4.5~5.5VDC SPEC: NONE O/P:MIN. TO FULL LOAD	-0.2%~+0.2%	P
5	RIPPLE&NOISE	I/P: 5VDC SPEC: 100mV O/P:FULL LOAD	23mV	P
6	DC INPUT CURRENT	I/P: 5VDC SPEC: 0.35A O/P:FULL LOAD	0.33A	P
8	O/P VOLTAGE ACCURACY	I/P: 5VDC SPEC: ±2% O/P:MIN. LOAD	+5.00V	P
9	SET UP TIME	I/P:5VDC SPEC: NONE O/P:FULL LOAD	1.76mS	P
10	HOLD UP TIME	I/P:5VDC SPEC: NONE O/P:FULL LOAD	0.024mS	P
11	EFFICIENCY	I/P: 5VDC SPEC: 57% O/P:FULL LOAD	60.4%	P
12	INSULATION RESISTANCE	SPEC:I/P-O/P 500VDC/100M Ohms MIN.	I/P-O/P >100M Ohms	P
13	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P- O/P: 1000VDC/ 1 min (10mA CUT-OFF)	NO BREAK I/P-O/P :<0.02mA	P
14	BURN-IN TEST	I/P:5VDC O/P:FULL LOAD TA:25°C BURN-IN DURATION : 2 hrs	NO BREAK	P
15	TEMPERATURE RISE TEST T rise OF PARTS	I/P :5VDC AFTER 2 hrs BURN-IN O/P :FULL LOAD TA:25°C		P
16	CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)	1. PACKING : 先以軌道型塑膠包裝,再以紙盒包裝 2. MARKING : MODEL 3. MECHANICAL : SIX-SIDED SHIELD PLASTIC CASE 3. DIMENSIONS : WXHXD=19.6X10.14X7.1mm, PIN : 3.8mm		

POSITION	SAMPLE	TEMP	T rise
CASE	SPR01L-05	54.0°C	29.0°C

DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
980815	SPR01L-05	PASS	T.K.CHENG	MAX LIN